

PROJECT DESCRIPTION

I. GENERAL

This portion of the project involves the modification to the temporary traffic control signal at the intersection of MD 201 and Sunnyside Avenue in Prince George's County, Maryland. MD 201 is considered to run in a north/south direction.

II. INTERSECTION OPERATION

The intersection currently operates in NEMA four (4) phase, full-traffic-actuated mode. There is an exclusive/permissive left turn phase for the northbound movement of MD 201 with a right turn overlap for the east to south movement of Sunnyside Ave. The MD 201 through movements operate concurrently. The Sunnyside Avenue movement operates alone with a right turn overlap for the south to west movement of MD 201.

The existing base mounted cabinet/controller and phasing will be utilized.

EQUIPMENT LIST

Equipment to be furnished and installed by the Contractor.
All equipment in this list shall have catalog cuts submitted for approval prior to installation.

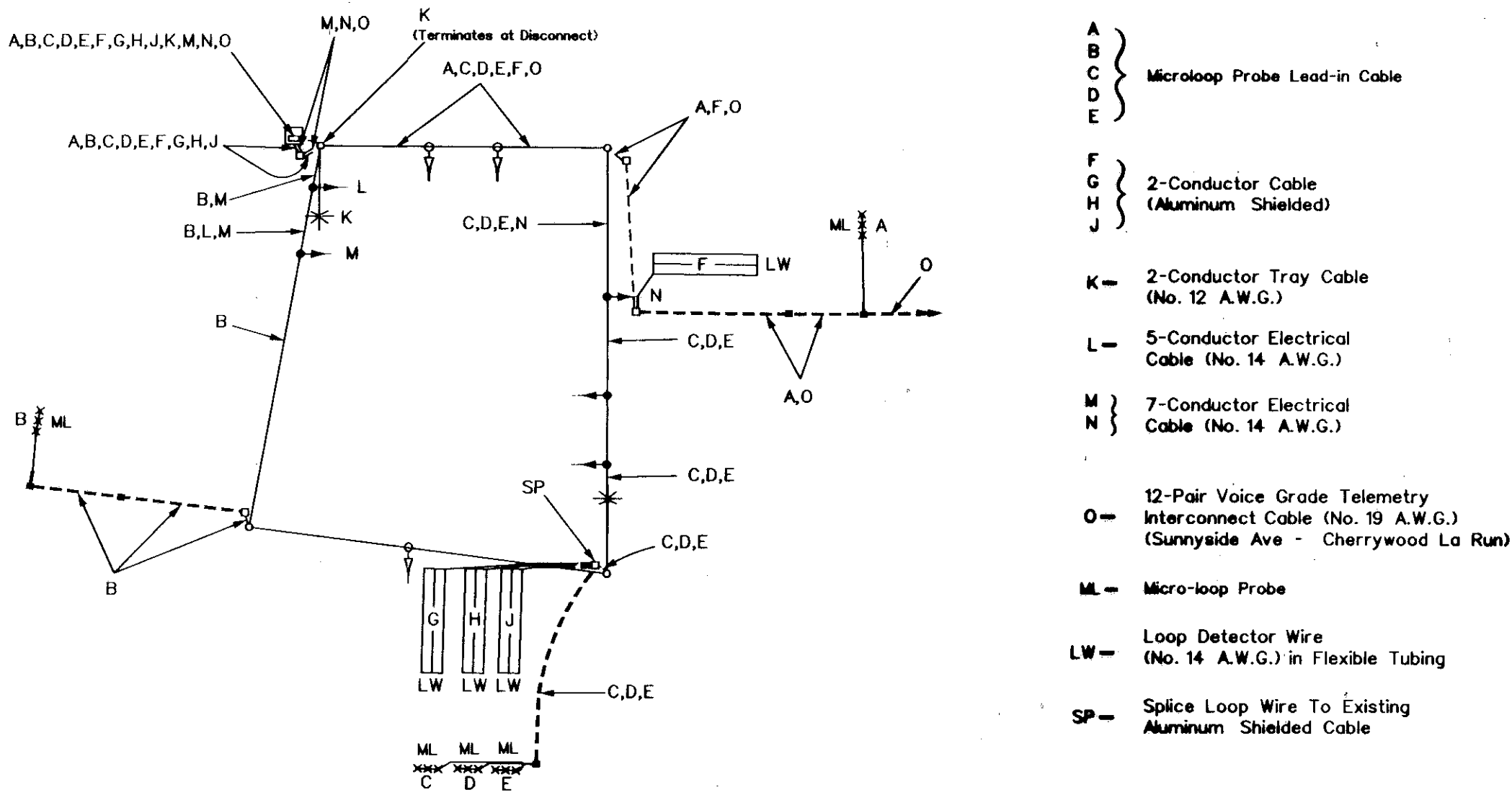
Quantity	Units	Specification Section	Description
Lump Sum	LS	108	Mobilization for Traffic Signal Construction.
Lump Sum	LS	104	Maintenance of traffic for Traffic Signal Construction.
1	EA	814	12 in., one-way, three section (R,Y,G) adjustable traffic signal head with span wire mounting hardware and tunnel visors.
1	EA	814	12 in., one-way, five section (R,Y,YA,G,GA) adjustable traffic signal head with span wire mounting hardware and tunnel visors.
1	EA	814	12 in./8 in., one-way, five section (12 in. YA, GA/ 8 in. R,Y,G) adjustable traffic signal head with span wire mounting hardware and tunnel visors.
1	EA	806	250 W H.P.S. lamp and luminaire.
18.67	SF	813	16 in. x 84 in. D3-2 (Dual Faced) sign with span wire mounting hardware.
7.5	SF	813	30 in. x 36 in. R3-5(R) sign with span wire mounting hardware.
25	SF	813	48 in. x 75 in. D6-1 sign with pole mounting hardware.
10.63	SF	813	30 in x 51 in. D6-1 sign with pole mounting hardware.
3	EA	---	Microloop probe (set of 3) with 500 ft. lead-in cable.
2	EA	---	Microloop probe (set of 3) with 650 ft. lead-in cable.
5	EA	811	Handhole.
635	LF	815	Sawcut for signal loop detector.
1910	LF	810	Loop detector wire (No. 14 A.W.G.) enclosed in flexible tubing.
1200	LF	810	2-conductor (aluminum shielded) electrical cable (No. 14 A.W.G.).
50	LF	810	2-conductor electrical tray cable (No. 12 A.W.G.).
25	LF	810	5-conductor electrical cable (No. 14 A.W.G.).
300	LF	810	7-conductor electrical cable (No. 14 A.W.G.).
60	LF	805	1 in. liquid tight flexible non-metallic conduit for loop detector sleeve.
425	LF	805	2 in. polyvinyl chloride [Schedule 40] electrical conduit - trenched.
330	LF	805	3 in. polyvinyl chloride [Schedule 40] electrical conduit - trenched.
95	LF	500	24 in. wide HAPPTM - white for stop line
2	EA	814	Relocate existing span wire mounted signal head.
3	EA	813	Relocated existing span wire mounted sign.
Lump Sum	LS	---	Removal of existing traffic signal equipment.
Lump Sum	LS	---	Asbuilt for SHA [on CADD].

FHWA REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

Phase Chart

	1	2	3	4	5	6	7	8
Phase 2 & 5								
5 Change								
Phase 2 & 6								
2 & 6 Change								
Phase 8								
8 Change								
Flashing Operation								

Wiring Diagram



Ultimate Traffic Control Signal

MDOT - STATE HIGHWAY ADMINISTRATION <i>Office of Traffic & Safety</i> TRAFFIC ENGINEERING DESIGN DIVISION			
DRAWN BY: J. Dirndorfer		(General Information)	
DES. BY: J. Dirndorfer		MD 201 at Sunnyside Avenue	
CHK. BY:		COUNTY: PRINCE GEORGE'S	LOG MILE • 16020708.85
DATE: November 5, 1997	F.A.P. NO. N/A	TS/STD. NO. 1164B-GI	SHEET NO. 4 of 7
SCALE: N/A	S.H.A. NO.		

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